

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6022	455/7-25.cds.	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L2	1859060	(tag tagged tagging signature signed id identify identification identity identified identifying watermark watermarked watermarking fingerprint fingerprinted fingerprinting discriminant)	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L3	582957	(co-channel) (co adj channel) subcarrier (sub- carrier) (sub adj carrier) ((second additional) near3 (signal))	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L4	37475	L2 same L3	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L5	234	L1 and L4	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L6	21500	L2 with L3	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L7	146	L1 and L6	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L8	88	L5 not L7	US-PGPUB; USPAT	OR	ON	2010/01/22 13:57
L9	8341	golay hadamard	US-PGPUB; USPAT	OR	ON	2010/01/22 14:01
L10	905	2 same 9	US-PGPUB; USPAT	OR	ON	2010/01/22 14:02
L11	4	1 and 10	US-PGPUB; USPAT	OR	ON	2010/01/22 14:02
L12	80	1 and 9	US-PGPUB; USPAT	OR	ON	2010/01/22 14:02
L13	74	12 not (5 7)	US-PGPUB; USPAT	OR	ON	2010/01/22 14:02
L17	1511	(golay hadamard).dm.	US-PGPUB; USPAT	OR	ON	2010/01/22 14:07
S1	1	"20070087689".pn.	US-PGPUB; USPAT	OR	ON	2009/09/09 20:17
S2	58	alles-m\$.in.	US-PGPUB; USPAT	OR	ON	2009/09/16 15:37

S3	6689	kennedy\$.in.	US-PGPUB; USPAT	OR	ON	2009/09/16 15:38
S4	941	carlson-j\$.in.	US-PGPUB; USPAT	OR	ON	2009/09/16 15:38
S5	7619	S2 S3 S4	US-PGPUB; USPAT	OR	ON	2009/09/16 15:38
S6	5692	repeater.clm.	US-PGPUB; USPAT	OR	ON	2009/09/16 15:40
S7	14	S5 and S6	US-PGPUB; USPAT	OR	ON	2009/09/16 15:40
S8	434	455/7.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:13
S9	368	455/9.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:13
S10	140	455/10.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:13
S11	278	455/15.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:14
S12	163	455/16.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:14
S13	191	455/18.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:14
S15	262	455/20.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:14
S16	106	455/21.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:14
S17	140	455/22.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:14
S18	155	455/23.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 18:15
S19	1872	S8 S9 S10 S11 S12 S13 S15 S16 S17 S18	US-PGPUB; USPAT	OR	ON	2009/09/16 18:15
S20	3177	golay	US-PGPUB; USPAT	OR	ON	2009/09/16 18:23
S21	4967	hadamard	US-PGPUB; USPAT	OR	ON	2009/09/16 18:23
S22	13	S19 and S20	US-PGPUB; USPAT	OR	ON	2009/09/16 18:23
S23	12	S19 and S21	US-PGPUB; USPAT	OR	ON	2009/09/16 18:23
S24	22	S22 S23	US-PGPUB; USPAT	OR	ON	2009/09/16 18:23
S25	2106	signature with (relay repeater repeated)	US-PGPUB; USPAT	OR	ON	2009/09/16 19:08
S26	19	S19 and S25	US-PGPUB; USPAT	OR	ON	2009/09/16 19:08

S27	7192	(watermark fingerprint discriminant signature) same (relay repeater repeated)	US-PGPUB; USPAT	OR	ON	2009/09/16 20:37
S28	434	455/7.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S29	368	455/9.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S30	140	455/10.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S31	278	455/15.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S32	163	455/16.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S33	191	455/18.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S34	262	455/20.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S35	106	455/21.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S36	140	455/22.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S37	155	455/23.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S38	1872	S28 S29 S30 S31 S32 S33 S34 S35 S36 S37	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S39	26	S27 and S38	US-PGPUB; USPAT	OR	ON	2009/09/16 20:41
S40	1196	S27 same (receive received receiver)	US-PGPUB; USPAT	OR	ON	2009/09/16 21:35
S41	15	(US-20070087689-\$ or US-20090215389-\$ or US-20090141780-\$ or US-20080248745-\$ or US-20060030262-\$ or US-20050130672-\$ or US-20040266338-\$ or US-20040097190-\$).did. or (US-7590383-\$ or US- 7580672-\$ or US- 6501955-\$ or US- 6839539-\$ or US- 6889033-\$ or US- 6961367-\$ or US- 7062224-\$).did.	US-PGPUB; USPAT	OR	ON	2009/09/16 21:35
S42	13	S40 and S41	US-PGPUB; USPAT	OR	ON	2009/09/16 21:35
S43	1641	S27 same (code sequence golay hadamard)	US-PGPUB; USPAT	OR	ON	2009/09/16 21:38

S44	9	S41 and S43	US-PGPUB; USPAT	OR	ON	2009/09/16 21:38
S45	1	am with golay with hadamard	US-PGPUB; USPAT	OR	ON	2009/09/16 21:39
S46	60	golay with hadamard	US-PGPUB; USPAT	OR	ON	2009/09/16 21:39
S47	157372	(watermark fingerprint discriminant signature)	US-PGPUB; USPAT	OR	ON	2009/09/16 21:39
S48	11	S46 and S47	US-PGPUB; USPAT	OR	ON	2009/09/16 21:39
S49	78195	equalizer equalizing	US-PGPUB; USPAT	OR	ON	2009/09/16 22:09
S50	0	S41 and S49	US-PGPUB; USPAT	OR	ON	2009/09/16 22:09
S51	73	S38 and S49	US-PGPUB; USPAT	OR	ON	2009/09/16 22:09
S52	58598	baseband	US-PGPUB; USPAT	OR	ON	2009/09/16 22:10
S53	2	S41 and S52	US-PGPUB; USPAT	OR	ON	2009/09/16 22:10
S54	1	(US-6501955-\$). did.	USPAT	OR	ON	2009/09/17 19:51
S55	1	(US-6501955-\$). did.	USPAT	OR	ON	2009/09/18 19:02
S56	1	(US-20070087689-\$). did.	US-PGPUB	OR	ON	2009/09/18 20:06
S57	1	S56 and (amplifi\$)	US-PGPUB; USPAT	OR	ON	2009/09/18 20:06
S58	1	(US-6501955-\$). did. and (synch\$)	USPAT	OR	ON	2009/09/18 21:08
S59	7	("6922170" "6845240" "6839539" "6834234" "6782264" "6553322" "6477161").pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 22:09
S60	15	("6470195" "6334059" "6311043" "6295455" "6212319" "6188351" "6144711" "5973643" "5870029" "5600706" "5506863" "5465289" "5317323" "5023930" "4783744").pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 22:11
S61	7	("20010053140" "20040043775" "20020094821" "20030190919" "20030083008" "20030162550" "20030220075").pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 22:13

S62	0	"2004014221".pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 22:14
S63	1	"20040014221".pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 22:14
S64	1	(US-20070087689-\$). did.	US-PGPUB	OR	ON	2010/01/21 10:24
S65	1	S64 and (tag tagged tagging signature signed modulation modulated modulating id identify identification identity identified identifying)	US-PGPUB	OR	ON	2010/01/21 10:26
S66	1	(US-6501955-\$).did.	USPAT	OR	ON	2010/01/21 10:36
S67	1	S66 and (tag tagged tagging signature signed modulation modulated modulating id identify identification identity identified identifying)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:36
S68	6022	455/7-25.cds.	US-PGPUB; USPAT	OR	ON	2010/01/21 10:38
S69	1859060	(tag tagged tagging signature signed id identify identification identity identified identifying watermark watermarked watermarking fingerprint fingerprinted fingerprinting discriminant)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:40
S70	29440	(co-channel) (co adj channel) subcarrier (sub- carrier) (sub adj carrier)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:41
S71	2816	S68 and S69	US-PGPUB; USPAT	OR	ON	2010/01/21 10:41
S72	3318	S69 same S70	US-PGPUB; USPAT	OR	ON	2010/01/21 10:41
S73	44	S68 and S72	US-PGPUB; USPAT	OR	ON	2010/01/21 10:41
S74	44	S68 and S72	US-PGPUB; USPAT	OR	ON	2010/01/21 11:43
S75	6022	455/7-25.cds.	US-PGPUB; USPAT	OR	ON	2010/01/21 14:36

S76	1859060	(tag tagged tagging signature signed id identifiy identification identity identified identifying watermark watermarked watermarking fingerprint fingerprinted fingerprinting discriminant)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:36
S77	29440	(co-channel) (co adj channel) subcarrier (sub- carrier) (sub adj carrier)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:36
S78	3318	S76 same S77	US-PGPUB; USPAT	OR	ON	2010/01/21 14:36
S79	44	S75 and S78	US-PGPUB; USPAT	OR	ON	2010/01/21 14:36
S80	34504	repeater	US-PGPUB; USPAT	OR	ON	2010/01/21 14:43
S81	25	S78 same S80	US-PGPUB; USPAT	OR	ON	2010/01/21 14:43
S82	21	S81 not S79	US-PGPUB; USPAT	OR	ON	2010/01/21 14:43
S83	30316	DERWENT	US-PGPUB; USPAT	OR	ON	2010/01/21 14:48
S84	14445	REPEATER	DERWENT	OR	ON	2010/01/21 14:48
S85	1567441	(tag tagged tagging signature signed id identifiy identification identity identified identifying watermark watermarked watermarking fingerprint fingerprinted fingerprinting discriminant)	DERWENT	OR	ON	2010/01/21 14:49
S86	8010	(co-channel) (co adj channel) subcarrier (sub- carrier) (sub adj carrier)	DERWENT	OR	ON	2010/01/21 14:49
S87	29451	S84 and S85 ad S86	DERWENT	OR	ON	2010/01/21 14:49
S88	513	S84 same S85	DERWENT	OR	ON	2010/01/21 14:50
S89	383	S84 with S85	DERWENT	OR	ON	2010/01/21 14:50
S90	6	S89 and S86	DERWENT	OR	ON	2010/01/21 14:50
S91	7	S88 and S86	DERWENT	OR	ON	2010/01/21 14:54

S92	1	S91 not S90	DERWENT	OR	ON	2010/01/21 14:54
S93	63	alles-m\$.in.	US-PGPUB; USPAT	OR	ON	2010/01/21 14:54
S94	6822	kennedy\$.in.	US-PGPUB; USPAT	OR	ON	2010/01/21 14:54
S95	961	carlson-\$.in.	US-PGPUB; USPAT	OR	ON	2010/01/21 14:54
S96	7771	S93 S94 S95	US-PGPUB; USPAT	OR	ON	2010/01/21 14:54
S97	5849	repeater.cdm.	US-PGPUB; USPAT	OR	ON	2010/01/21 14:54
S98	14	S96 and S97	US-PGPUB; USPAT	OR	ON	2010/01/21 14:54
S99	2020	S80 with S76	US-PGPUB; USPAT	OR	ON	2010/01/21 14:58
S100	8341	golay hadamard	US-PGPUB; USPAT	OR	ON	2010/01/21 14:58
S101	16	S99 and S100	US-PGPUB; USPAT	OR	ON	2010/01/21 14:58
S102	1	(US-20070087689-\$. did.	US-PGPUB	OR	ON	2010/01/21 15:15
S103	1	S102 and (primary secondary function)	US-PGPUB	OR	ON	2010/01/21 15:15
S104	6022	455/7-25.cds.	US-PGPUB; USPAT	OR	ON	2010/01/22 09:54
S105	1859060	(tag tagged tagging signature signed id identify identification identity identified identifying watermark watermarked watermarking fingerprint fingerprinted fingerprinting discriminant)	US-PGPUB; USPAT	OR	ON	2010/01/22 09:55
S109	582957	(co-channel) (co adj channel) subcarrier (sub- carrier) (sub adj carrier) ((second additional) near3 (signal))	US-PGPUB; USPAT	OR	ON	2010/01/22 09:56
S110	37475	S105 same S109	US-PGPUB; USPAT	OR	ON	2010/01/22 09:57
S111	234	S104 and S110	US-PGPUB; USPAT	OR	ON	2010/01/22 09:57
S112	21500	S105 with S109	US-PGPUB; USPAT	OR	ON	2010/01/22 09:58
S113	146	S104 and S112	US-PGPUB; USPAT	OR	ON	2010/01/22 09:58

S114	88	S111 not S113	US-PGPUB; USPAT	OR	ON	2010/01/22 10:19
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**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L14	4503	455/7-25.ccls.	USPAT; UPAD	OR	ON	2010/01/22 14:06
L15	278547	(tag tagged tagging signature signed id identify identification identity identified identifying watermark watermarked watermarking fingerprint fingerprinted fingerprinting discriminant).dlm.	USPAT; UPAD	OR	ON	2010/01/22 14:06
L16	246662	((co-channel) (co adj channel) subcarrier (sub-carrier) (sub adj carrier) ((second additional) near3 (signal))).dlm.	USPAT; UPAD	OR	ON	2010/01/22 14:07
L18	856	(golay hadamard).dlm.	USPAT; UPAD	OR	ON	2010/01/22 14:07
L19	193	14 and 15 and (16 18)	USPAT; UPAD	OR	ON	2010/01/22 14:07
L20	1	14 and (15 and 18)	USPAT; UPAD	OR	ON	2010/01/22 14:08
L21	67	14 and (15 same (16 18))	USPAT; UPAD	OR	ON	2010/01/22 14:08
L22	263	repeater and (15 same (16 18))	USPAT; UPAD	OR	ON	2010/01/22 14:43
L23	39	repeater same (15 same (16 18))	USPAT; UPAD	OR	ON	2010/01/22 14:43
L24	22	23 not 21	USPAT; UPAD	OR	ON	2010/01/22 14:43

1/ 22/ 2010 2:45:05 PM

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